

Patent Application: 09/552,766
Docket No: P13614US

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Remarks

Claims Rejections: 35 U.S.C. §102

Claims 1 and 8 stand rejected under section 102 of 35 U.S.C. for being allegedly anticipated by Mademann (US Patent 6,081,723). Applicant respectfully traverses.

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Applicant has amended claims 1 and 15 in order to better illustrate the matter that is claimed.

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Claim 1 is directed to a Radio Base Station (RBS) comprising i) routing area-cell mapping information defining a relation between a routing area (RA) and at least one cell of said RBS and ii) a Packet Control Unit (PCU) for processing a page request received from a Serving GPRS Support Node (SGSN); wherein said PCU associates an RA information extracted from said page request with cell identification information using said routing area-cell mapping information.

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Mademann teaches a method for location area management in a cellular network, wherein a virtual location area identifier does not respond to any location area identifiers for real location areas in the network. The virtual location area identifier is allocated to an SGSN with which a packet data service is controlled in the mobile network for the transmission of data packets. This is employed by and MSC for the implementation of location area management functions and, as a result, an efficient management of location areas can be achieved in the cellular network.

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In the passages referred to by the Examiner, (Fig. 2 and col. 6, lines 24 - col. 7, line 33), Mademann teaches a manner in which a page message can be sent from an MSC to a mobile radiotelephone. The MSC determines the home register on the basis of the selected subscriber call number of the called mobile radiotelephone subscriber (col. 6, lines 37 - 40). The MSC then initiates a transmission of the paging based on a location area identifier obtained from its visitor register VLR (col. 6, lines 45 - 52), wherein the location area identifier is converted into signaling addresses of one or more base transmission/reception stations (col. 6, lines 52 - 56). The paging data sent from the SGSN to the base stations contains one or more lists of radio cell identifiers for the identification of the radio cells to which the page is communicated to (col. 7, lines 19 - 30).

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It is apparent that the passages referred to in the outstanding Office action merely mention sending a page with a complete listing of the targeted radio cells, so that the page can be successfully transmitted from the SGSN to the appropriate base stations, with the purpose of having the mobile station adequately paged (See all the above-mentioned passages). Thus, Mademann's teaching is limited to the well-known prior art paging technique wherein paging is performed using on the known identity of a plurality of radio cells that are part of a location area, and wherein the page sent from the SGSN comprises the identity of each destination radio cell.

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Mademann only teaches sending the page with the identity of the radio cells up to the base stations. Mademann is totally silent on any other technique for sending a page request to a base station, as

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he is silent on any teaching regarding routing area – cell mapping information being stored in the base station itself as claimed by the Applicant. Mademann is further totally silent on any kind of base station-stored mechanism for associating routing area information extracted from the page request with cell identification information using said routing area-cell mapping information.

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Because Mademann fails to teach or suggest the claimed invention, Applicant respectfully requests that the outstanding rejection under 35 U.S.C. S102 be withdrawn.

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Therefore, in light of the above-mentioned Remarks, Applicant respectfully submits that claim 1 is novel and nonobvious, and thus patentable over the teaching of Mademann. Claims 2-7 are dependent of claim 1, and since they merely add further limitations and clarifications thereto, they are believed to be patentable as well. Claim 8 is an independent claim having limitations similar to those of claim 1, and is therefore submitted as being patentable for the same reasons. Claims 9-14 are dependent of claim 8, and since they merely add further limitations and clarifications thereto, they are believed to be patentable as well. Finally, claim 15 is another independent claim with limitations similar to those of claim 1, and is therefore submitted as being patentable too.

Conclusion

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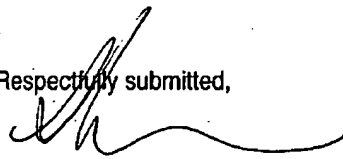
All pending claims 1-15 are herein submitted as being in favorable condition for allowance.

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In the Examiner finds out that a persecution of the present invention would be facilitated by telephone interview, the Examiner is invited to contact the undersigned, Alex Nicolaescu, at telephone number (514) 345- 7900 extension number 2596.

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Respectfully submitted,


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USPTO Reg. Number 47,253